

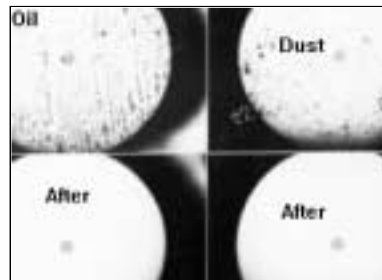
Appendix B

Fiber-Optic Connector Cleaning

To properly maintain the OC-48/STM-16 and OC-192/STM-64 PICs, you must clean the fiber-optic cable transceiver connections before you insert SC cable connectors.

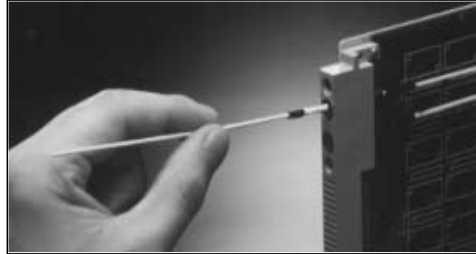
Because of the high sensitivity of the OC-192/STM-64 PIC receiver, you must keep the PIC connectors clean and free of dust. Small micro-deposits of oil and dust in the canal of the SC connector could cause loss of light, reducing signal power and possibly causing intermittent problems with the optical connection. Figure 102 shows the oil and dust that collects in the SC connector canals.

Figure 102: Microdeposits in the SC Connector Canal



Keep the connectors clean using an appropriate fiber-cleaning device, such as RIFOCS 945/946 Fiber Optic Connector Cleaning System. Follow the directions for the cleaning kit you use. Figure 103 shows the proper cleaning procedure.

Figure 103: Clean the Connectors



After you have cleaned the optical transceiver area of the fiber-optic PIC, make sure that the fiber-optic cable of the SC connector tip is clean.

To clean the fiber-optic cable SC connection, use only an approved alcohol-free optical cable cleaning kit such as the Cletop - Cletop Reel-Type Cleaner – Part# CLETOP-RL. Follow the directions for the cleaning kit you use. Figure 104 shows the cable cleaning kit.

Figure 104: Optical Cable Cleaning Kit

